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## FACSIMILE COVER SHEET

THIS MESSAGE HAS 4 PAGES INCLUDING THIS SHEET

TO: Commissioner for Patents – U.S. Patent Office

FAX NO.: (571) 273-8300

FROM: Raymond R. Moser

DATE: September 22, 2005

MATTER: Serial No. 09/995,126 Filed: November 27, 2001

DOCKET NO.: SAR/13895A

APPLICANT: Robert Conrad Malkernes

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### CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence is being transmitted by facsimile to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 22, 2005, Facsimile No. (571) 273-8300.

The following has been received in the U.S. Patent and Trademark Office on the date of this facsimile:  
Information Disclosure Statement  
PTO/SB/08a/b

Dated: September 22, 2005

Total pages submitted: 4

  
Kerry Johnson

S/N 09/995,126

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PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Robert Conrad Malkemes      Examiner: David B. Lugo  
Serial No.: 09/995,126      Group Art Unit: 2637  
Filed: November 27, 2001      Docket: SAR/13895A  
Title: METHOD AND APPARATUS FOR REDUCING MULTIPATH DISTORTION  
IN A WIRELESS LAN

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the referenced materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 50-3562. The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

09/23/2005 HLE333 00000021 503562 09995126

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Serial No.: 09/995,126  
SAR/13895A

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2)

Copies of the of the cited art are not provided under 37 C.F.R. 1.98(5)d(1) since the present application is a continuation-in-part of U.S. Application number 09/776,078 filed on February 2, 2001 and copies of the cited art were previously provided in the parent application.

Respectfully submitted,

Dated: September 22, 2005



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/995,126
Filing Date	November 27, 2001
First Named Inventor	Robert Conrad Malkemes
Group Art Unit	2637
Examiner Name	David B. Lugo

Sheet 1 of 1

Attorney Docket No: SAR/13895A

**US PATENT DOCUMENTS**

Examiner Initial*	Cite No.*	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,879,664	06/22/1975	Monsen,	
		US-5,577,031	11/19/1996	Smith,	
		US-5,602,507	02/11/1997	Suzuki,	
		US-6,088,408	07/11/2000	Calderbank et al.	
		US-6,115,427	09/05/2000	Calderbank et al.	
		US-6,243,412	06/05/2001	Fukawa,	
		US-6,668,014	12/23/2003	Endres et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.*	Foreign Document No Country Code - Number - Kind Code (If known)	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
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**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>3</sup>
		Copy of Written Opinion from PCT/US01/16801 dated 06/06/03 (corresponding application).	
		ALAMOUTI, SLAVASH M., "A Simple Transmit Diversity Technique for Wireless Communications", <u>IEEE Journal on Select Areas in Communications</u> , Vol. 16, No. 8, (October 1998), 1451-1458	
		GUE, et al., "Adaptive Combined DFE/MLSE Techniques for ISI Channels", <u>IEEE Transactions on Communications</u> , Vol. 44, Issue 7, (July 1996), 847-857	
		SESHADRI, et al., "Two Signaling Schemes for Improving the Error Performance of Frequency-Division-Duplex (FDD) Transmission Systems Using Transmitter Antenna Diversity", <u>Vehicular Technology Conference</u> , 43rd, (May 1993), 508-511	
		TAROKH, et al., "Space-Time Codes for High Rate Wireless Communication: Performance Criterion and Code Construction", <u>IEEE Transactions on Information Theory</u> , Vol. 44, No. 2, (March 1998), 744-765	

Filed: September 22, 2005

EXAMINER

DATE CONSIDERED

12290

Substitute Disclosure Statement Form (PTO-1449)  
 EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional) \* Applicant is to place a check mark here if English language Translation is attached